

10/568,159A Yong Chu 10-03-2007

\$%^STN;HighlightOn=;HighlightOff=;

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NEWS	2	JUL 02	LMEDLINE coverage updated
NEWS	3	JUL 02	SCISEARCH enhanced with complete author names
NEWS	4	JUL 02	CHEMCATS accession numbers revised
NEWS	5	JUL 02	CA/CAPplus enhanced with utility model patents from China
NEWS	6	JUL 16	CAplus enhanced with French and German abstracts
NEWS	7	JUL 18	CA/CAPplus patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
NEWS	10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	11	AUG 06	BEILSTEIN updated with new compounds
NEWS	12	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	13	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	14	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS	15	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	16	AUG 27	USPATOLD now available on STN
NEWS	17	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	18	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	19	SEP 13	FORIS renamed to SOFIS
NEWS	20	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	21	SEP 17	CA/CAPplus enhanced with printed CA page images from 1967-1998
NEWS	22	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS	23	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	24	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS EXPRESS	19	SEPTEMBER 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

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FILE 'HOME' ENTERED AT 14:19:46 ON 02 OCT 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:20:01 ON 02 OCT 2007

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STRUCTURE FILE UPDATES: 1 OCT 2007 HIGHEST RN 948988-82-7

DICTIONARY FILE UPDATES: 1 OCT 2007 HIGHEST RN 948988-82-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

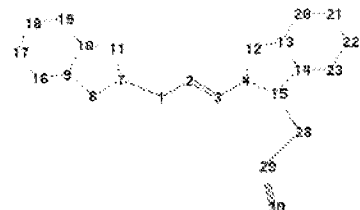
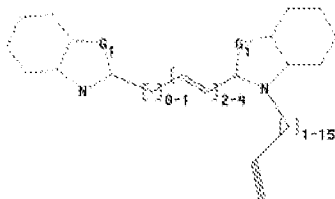
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Documents and Settings\ychu\Desktop\Case\10568159\10568159A.str



chain nodes :

1 2 3 28 29 30

ring nodes :

4 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

chain bonds :

1-2 1-7 2-3 3-4 15-28 28-29 29-30

ring bonds :

4-12 4-15 7-8 7-11 8-9 9-10 9-16 10-11 10-19 12-13 13-14 13-20 14-15  
14-23 16-17 17-18 18-19 20-21 21-22 22-23

exact/norm bonds :

1-2 1-7 2-3 3-4 4-12 4-15 7-8 7-11 8-9 9-10 9-16 10-11 10-19 12-13  
13-14 13-20 14-15 14-23 15-28 16-17 17-18 18-19 20-21 21-22 22-23 28-29  
29-30

G1:C,O,S,N,Se

Match level :

1:CLASS 2:CLASS 3:CLASS 4:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom

12:Atom

13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom

22:Atom 23:Atom

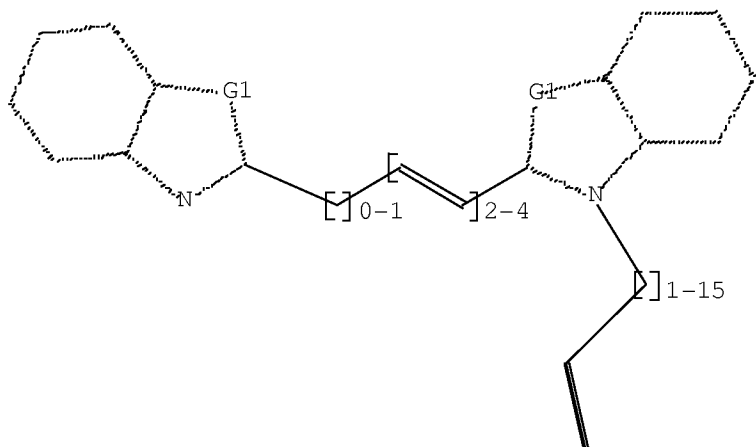
28:Atom 29:Atom 30:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 C, O, S, N, Se

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 14:20:35 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 14 TO ITERATE

100.0% PROCESSED 14 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 56 TO 504

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 14:20:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 181 TO ITERATE

100.0% PROCESSED 181 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

173.90

174.11

FILE 'REGISTRY' ENTERED AT 14:23:18 ON 02 OCT 2007

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STRUCTURE FILE UPDATES: 1 OCT 2007 HIGHEST RN 948988-82-7  
DICTIONARY FILE UPDATES: 1 OCT 2007 HIGHEST RN 948988-82-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

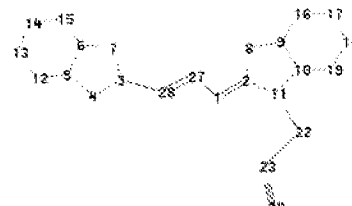
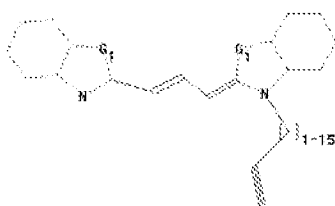
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

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chain nodes :  
1 22 23 24 27 28  
ring nodes :  
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19  
chain bonds :  
1-2 1-27 3-28 11-22 22-23 23-24 27-28  
ring bonds :  
2-8 2-11 3-7 3-4 4-5 5-6 5-12 6-7 6-15 8-9 9-10 9-16 10-11 10-19 12-13  
13-14 14-15 16-17 17-18 18-19  
exact/norm bonds :  
1-2 1-27 2-8 2-11 3-7 3-4 3-28 4-5 5-6 5-12 6-7 6-15 8-9 9-10 9-16  
10-11 10-19 11-22 12-13 13-14 14-15 16-17 17-18 18-19 22-23 23-24 27-28

G1:C,O,S,N,Se

Match level :

1:CLASS 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
22:Atom 23:Atom  
24:CLASS 27:CLASS 28:CLASS

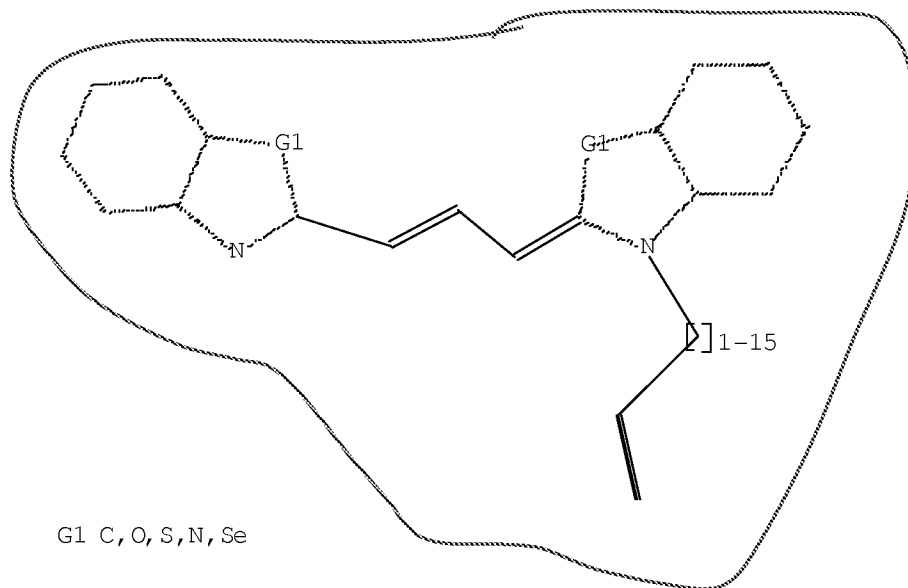
L4            STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4            STR

          \*\*clear of prior art\*\*          



Structure attributes must be viewed using STN Express query preparation.

=> s 14

SAMPLE SEARCH INITIATED 14:23:55 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED -            9 TO ITERATE

100.0% PROCESSED            9 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:    ONLINE    \*\*COMPLETE\*\*

                          BATCH    \*\*COMPLETE\*\*

PROJECTED ITERATIONS:            9 TO            360

PROJECTED ANSWERS:                2 TO            124

L5            2 SEA SSS SAM L4

=> s 14 full

FULL SEARCH INITIATED 14:24:03 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED -            142 TO ITERATE

100.0% PROCESSED            142 ITERATIONS

33 ANSWERS

SEARCH TIME: 00.00.01

L6            33 SEA SSS FUL L4

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

172.55

346.66

FILE 'CAPLUS' ENTERED AT 14:24:15 ON 02 OCT 2007  
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=> s 16

L7 6 L6

=> d ibib abs hitstr tot

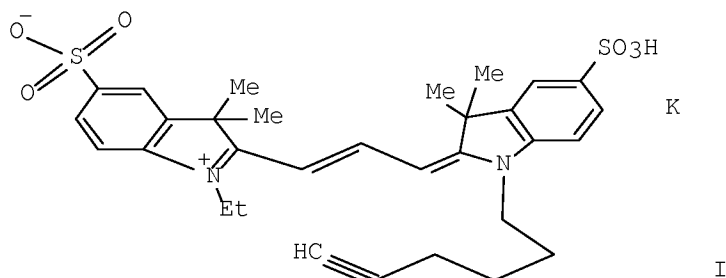
L7 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2005:141165 CAPLUS Full-text  
DOCUMENT NUMBER: 142:242215  
TITLE: Cyanine-type compounds having an alkynyl linker arm  
INVENTOR(S): Caputo, Giuseppe  
PATENT ASSIGNEE(S): Italy  
SOURCE: PCT Int. Appl., 40 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005014723	A1	20050217	WO 2004-IB51447	20040811
WO 2005014723	A8	20050414		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1654327	A1	20060510	EP 2004-744780	20040811

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK

US 2006230554	A1	20061019	US 2006-568159	20060213
PRIORITY APPLN. INFO.:			IT 2003-PZ2	A 20030812
			WO 2004-IB51447	W 20040811

OTHER SOURCE(S):                   MARPAT 142:242215  
GI



AB The invention relates to cyanine-type fluorescent dyes modified with an alkynyl linker arm such as I are suitable for as markers for biomols., such as for example nucleosides, nucleotides, oligonucleotides, nucleic acids, proteins, peptides, vitamins and hormones. I was manufd. by treating 6-chlorohex-1-yne 22-24 h at 70.degree. with NaI, reaction of the intermediate 12 h with K 3,3,3-trimethylindolenine-5-sulfonate at 120.degree. in sulfolane, and reaction of the 2nd intermediate 90 min at 120.degree. with 2-[(E)-2-[acetyl(phenyl)amino]vinyl]-1-ethyl-3,3-dimethyl- 3H-indolium-5-sulfonate, prepd. by reaction of N-ethyl-2,3,3- trimethylindoleninium-5-sulfonate with N,N-diphenylformamide in the presence of acetyl chloride and Ac2O.

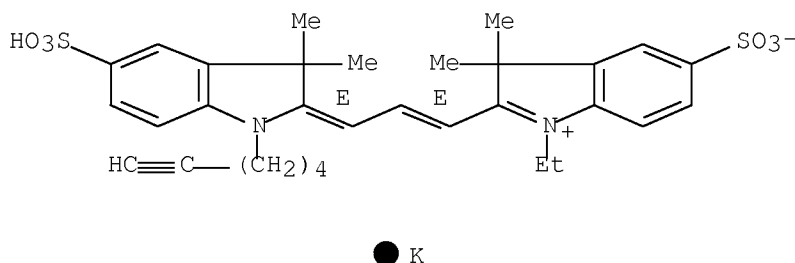
IT 844700-38-5P

RL: ARG (Analytical reagent use); IMF (Industrial manufacture); ANST (Analytical study); PREP (Preparation); USES (Uses)  
(cyanine-type fluorescent compds. having alkynyl arms for linking with biomols.)

RN 844700-38-5 CAPLUS

CN 3H-Indolium, 1-ethyl-2-[(1E,3E)-3-[1-(5-hexynyl)-1,3-dihydro-3,3-dimethyl-5-sulfo-2H-indol-2-ylidene]-1-propenyl]-3,3-dimethyl-5-sulfo-, inner salt, potassium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT 844700-39-6P 844700-45-4P



RL: ARG (Analytical reagent use); IMF (Industrial manufacture); RCT (Reactant); ANST (Analytical study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

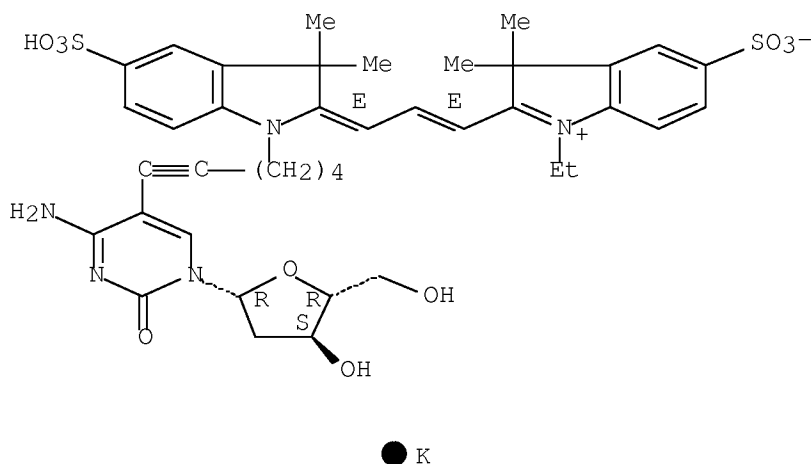
(cyanine-type fluorescent compds. having alkynyl arms for linking with biomols.)

RN 844700-39-6 CAPLUS

CN 3H-Indolium, 2-[(1E,3E)-3-[1-[6-[4-amino-1-(2-deoxy-.beta.-D-erythro-pentofuranosyl)-1,2-dihydro-2-oxo-5-pyrimidinyl]-5-hexynyl]-1,3-dihydro-3,3-dimethyl-5-sulfo-2H-indol-2-ylidene]-1-propenyl]-1-ethyl-3,3-dimethyl-5-sulfo-, inner salt, monopotassium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

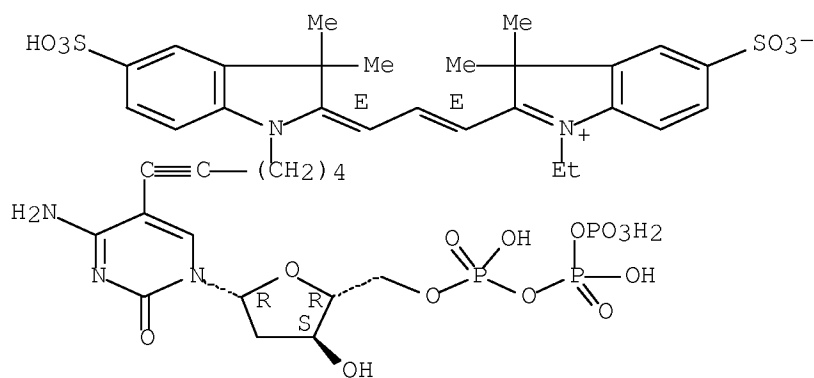


RN 844700-45-4 CAPLUS

CN 3H-Indolium, 2-[(1E,3E)-3-[1-[6-[4-amino-1-[2-deoxy-5-O-[hydroxy[[hydroxy(phosphonooxy)phosphinyl]oxy]phosphinyl]-.beta.-D-erythro-pentofuranosyl]-1,2-dihydro-2-oxo-5-pyrimidinyl]-5-hexynyl]-1,3-dihydro-3,3-dimethyl-5-sulfo-2H-indol-2-ylidene]-1-propenyl]-1-ethyl-3,3-dimethyl-5-sulfo-, inner salt, monopotassium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



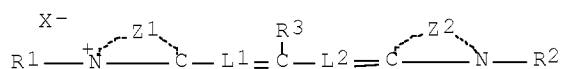
● K

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2002:606646 CAPLUS Full-text  
 DOCUMENT NUMBER: 137:177092  
 TITLE: Photopolymerizable composition containing organic borate photopolymerization initiator for image recording material  
 INVENTOR(S): Takashima, Masanobu; Fukushige, Yuichi  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 47 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002229194	A	20020814	JP 2001-25581	20010201
US 2002182530	A1	20021205	US 2002-60153	20020201
US 6824953	B2	20041130		
PRIORITY APPLN. INFO.:			JP 2001-25581	A 20010201

GI



AB The photopolymerizable compn. comprises a compd. I (R1,2 = aliph., arom.; R3 = substituent; L1,2 = methine; Z1,2 = 5-membered N-contg. heterocyclyl; and X- = anion) having an ethylenic unsatd. bond and a radical generating agent forming a radical upon reaction with the compd. The radical generating agent is an org. borate R11R12R13R14B- G+ (R11-14 = aliph., arom., heterocyclyl, etc.; and G+ = cation). The image recording material comprises a color-forming

component (A) encapsulated in a microcapsule and a color-forming component (B) made from the compd. The photopolymerizable compn. provided high sensitivity not only to UV light but also to light ranging from visible light to IR light.

IT 446306-14-5 446306-17-8

RL: TEM (Technical or engineered material use); USES (Uses)  
(photopolymerizable compn. contg. org. borate photopolymn. initiator  
for image recording material)

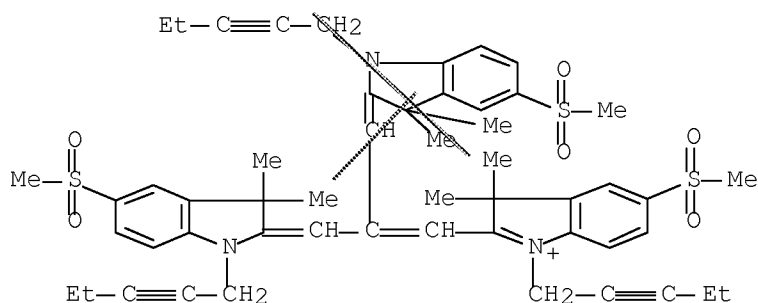
RN 446306-14-5 CAPLUS

CN 3H-Indolium, 2-[3-[1,3-dihydro-3,3-dimethyl-5-(methylsulfonyl)-1-(2-pentynyl)-2H-indol-2-ylidene]-2-[[1,3-dihydro-3,3-dimethyl-5-(methylsulfonyl)-1-(2-pentynyl)-2H-indol-2-ylidene]methyl]-1-propenyl]-3,3-dimethyl-5-(methylsulfonyl)-1-(2-pentynyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 446306-13-4

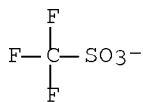
CMF C52 H60 N3 O6 S3



CM 2

CRN 37181-39-8

CMF C F3 O3 S



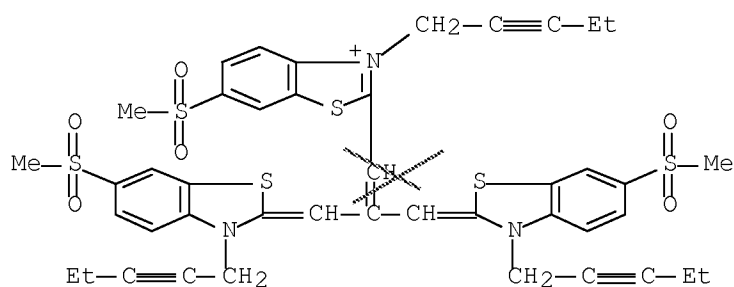
RN 446306-17-8 CAPLUS

CN Benzothiazolium, 6-(methylsulfonyl)-2-[3-[6-(methylsulfonyl)-3-(2-pentynyl)-2(3H)-benzothiazolyliidene]-2-[[6-(methylsulfonyl)-3-(2-pentynyl)-2(3H)-benzothiazolyliidene]methyl]-1-propenyl]-3-(2-pentynyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 446306-16-7

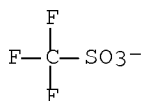
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CM 2

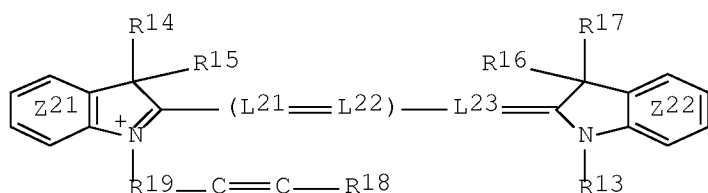
CRN 37181-39-8

CMF C F3 O3 S



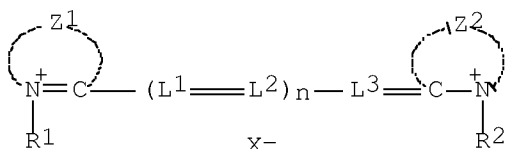
L7 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2001:602556 CAPLUS [Full-text](#)  
 DOCUMENT NUMBER: 135:187732  
 TITLE: Cyanine-type organic colorant, photopolymerizable composition, and recording material  
 INVENTOR(S): Takashima, Masanobu; Fukushige, Yuichi  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 45 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001226417	A	20010821	JP 2000-34935	20000214
US 2002051926	A1	20020502	US 2001-781410	20010213
PRIORITY APPLN. INFO.:			JP 2000-34935	A 20000214
OTHER SOURCE(S):	MARPAT 135:187732			
GI				



X-

I



X-

II

AB The colorant is that represented as I [R13-R18 = H, aliph. group, arom. group; R19 = aliph. hydrocarbylene; L21-L23 = (substituted) methine; substituents in L21-L23 may be linked to form unsatd. alicyclic or unsatd. heterocyclic group; benzene ring Z21, Z22 may be condensed with other benzene rings; condensed Z21, Z22 may be substituted; n" = 0-3; X- = anion-forming group]. The photopolymerizable compn. contains an ethylenically unsatd. monomer, a methine compd. II [R1 = aliph. group involving C.tplbond.C; R2 = H, aliph. group, arom. group; L1-L3 = (substituted) methine; substituents in L1-L3 may be linked to form unsatd. alicyclic group or unsatd. heteocyclic group; Z1, Z2 = at. group forming 5- or 6-membered N-contg. heterocycle which may be condensed with (substituted) arom. ring; n = 0-3; X- is the same in I]. and an agent generating radical in interaction with II. The thermal photosensitive printing material contains a color former, a color developer, and the photopolymerizable compn. showing good decoloration of the sensitizer II residue as a result of its decompn. by radicals under exposure.

IT 355367-52-1 355367-61-2 355367-63-4  
355367-65-6

RL: CAT (Catalyst use); USES (Uses)

(thermal printing material contg. color former, color developer, and a photosensitive compn. assocd. with cyanine sensitizer)

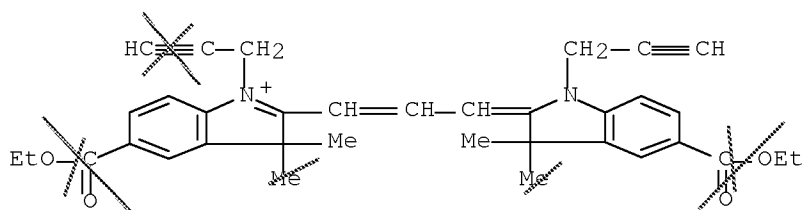
RN 355367-52-1 CAPLUS

CN 3H-Indolium, 5-(ethoxycarbonyl)-2-[3-[5-(ethoxycarbonyl)-1,3-dihydro-3,3-dimethyl-1-(2-propynyl)-2H-indol-2-ylidene]-1-propenyl]-3,3-dimethyl-1-(2-propynyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 355367-51-0

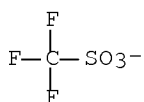
CMF C35 H37 N2 O4



CM 2

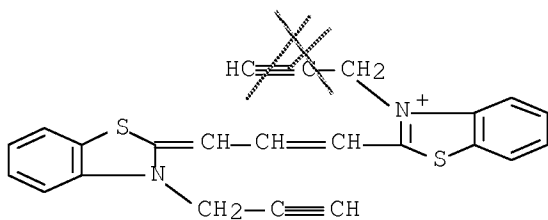
CRN 37181-39-8

CMF C F3 O3 S



RN 355367-61-2 CAPLUS

CN Benzothiazolium, 3-(2-propynyl)-2-[3-[3-(2-propynyl)-2(3H)-benzothiazolylidene]-1-propenyl]-, bromide (9CI) (CA INDEX NAME)



● Br<sup>-</sup>

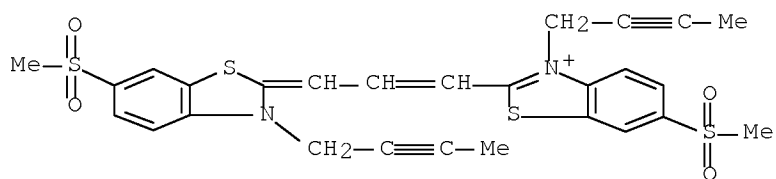
RN 355367-63-4 CAPLUS

CN Benzothiazolium, 3-(2-butynyl)-2-[3-[3-(2-butynyl)-6-(methylsulfonyl)-2(3H)-benzothiazolylidene]-1-propenyl]-6-(methylsulfonyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 355367-62-3

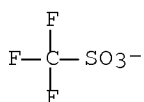
CMF C27 H25 N2 O4 S4



CM 2

CRN 37181-39-8

CMF C F3 O3 S



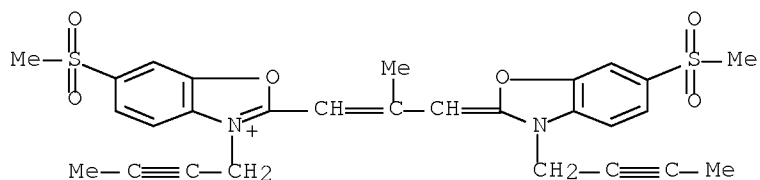
RN 355367-65-6 CAPLUS

CN Benzoxazolium, 3-(2-butynyl)-2-[3-[3-(2-butynyl)-6-(methylsulfonyl)-2(3H)-benzoxazolylidene]-2-methyl-1-propenyl]-6-(methylsulfonyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 355367-64-5

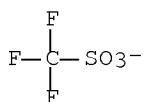
CMF C28 H27 N2 O6 S2



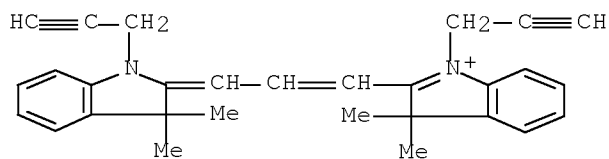
CM 2

CRN 37181-39-8

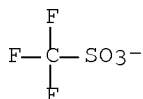
CMF C F3 O3 S



IT 355367-50-9P 355367-54-3P 355367-56-5P  
 355367-67-8P  
 RL: CAT (Catalyst use); IMF (Industrial manufacture); PREP (Preparation);  
 USES (Uses)  
 (thermal printing material contg. color former, color developer, and a  
 photosensitive compn. assocd. with cyanine sensitizer)  
 RN 355367-50-9 CAPLUS  
 CN 3H-Indolium, 2-[3-[1,3-dihydro-3,3-dimethyl-1-(2-propynyl)-2H-indol-2-  
 ylidene]-1-propenyl]-3,3-dimethyl-1-(2-propynyl)-, salt with  
 trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 355367-49-6  
 CMF C29 H29 N2

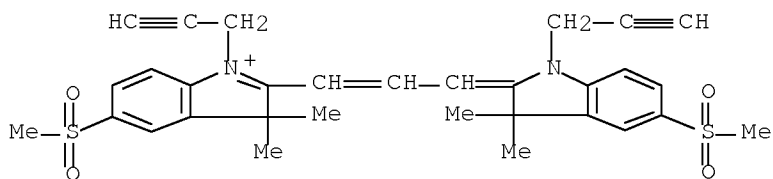


CM 2  
 CRN 37181-39-8  
 CMF C F3 O3 S



RN 355367-54-3 CAPLUS  
 CN 3H-Indolium, 2-[3-[1,3-dihydro-3,3-dimethyl-5-(methylsulfonyl)-1-(2-  
 propynyl)-2H-indol-2-ylidene]-1-propenyl]-3,3-dimethyl-5-(methylsulfonyl)-  
 1-(2-propynyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA  
 INDEX NAME)  
 CM 1  
 CRN 355367-53-2  
 CMF C31 H33 N2 O4 S2

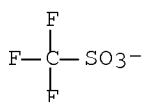




CM 2

CRN 37181-39-8

CMF C F3 O3 S



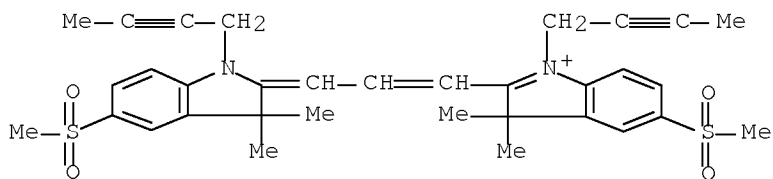
RN 355367-56-5 CAPLUS

CN 3H-Indolium, 1-(2-butynyl)-2-[3-[1-(2-butynyl)-1,3-dihydro-3,3-dimethyl-5-(methylsulfonyl)-2H-indol-2-ylidene]-1-propenyl]-3,3-dimethyl-5-(methylsulfonyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI)  
(CA INDEX NAME)

CM 1

CRN 355367-55-4

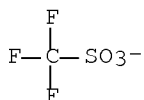
CMF C33 H37 N2 O4 S2



CM 2

CRN 37181-39-8

CMF C F3 O3 S



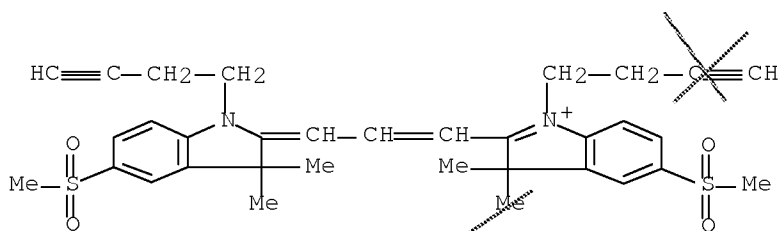
RN 355367-67-8 CAPLUS

CN 3H-Indolium, 1-(3-butynyl)-2-[3-[1-(3-butynyl)-1,3-dihydro-3,3-dimethyl-5-(methylsulfonyl)-2H-indol-2-ylidene]-1-propenyl]-3,3-dimethyl-5-(methylsulfonyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI)  
(CA INDEX NAME)

CM 1

CRN 355367-66-7

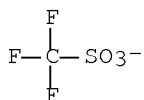
CMF C33 H37 N2 O4 S2



CM 2

CRN 37181-39-8

CMF C F3 O3 S



L7 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:426985 CAPLUS Full-text

DOCUMENT NUMBER: 131:122862

TITLE: Photographic emulsion, material therewith, and aging and sensitization thereof using trimethine dye

INVENTOR(S): Minakami, Hiromichi; Kagawa, Nobuaki; Suda, Yoshihiko

PATENT ASSIGNEE(S): Konica Co., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

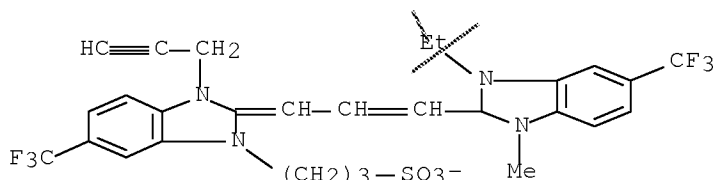
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11184034	A	19990709	JP 1997-355098	19971224
PRIORITY APPLN. INFO.:			JP 1997-355098	19971224
OTHER SOURCE(S):		MARPAT 131:122862		

AB The emulsion and the material contain a benzimidazolocarbo-cyanine dye having hydrocarbyls at 1, 1', 3, and 3' positions where .gtoreq.1 of them is alkynyl (-contg. group) and optional a benzothiazolocarbo-cyanine dye having hydrocarbyls at 9, 3, and 3' positions or a 9-substituted benzoxazolocarbo-cyanine dye having hydrocarbyls at 9, 3, and 3' positions. The material provides low-fog images and shows excellent storage stability.

IT 233272-87-2P  
 RL: MOA (Modifier or additive use); PNU (Preparation, unclassified); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (spectral sensitizer; photog. emulsion contg. novel benzimidazolocarbo-cyanine dye and providing low-fog images)

RN 233272-87-2 CAPLUS

CN 1H-Benzimidazolium, 2-[3-[1,3-dihydro-1-(2-propynyl)-3-(3-sulfopropyl)-5-(trifluoromethyl)-2H-benzimidazol-2-ylidene]-1-propenyl]-3-ethyl-1-methyl-5-(trifluoromethyl)-, inner salt (9CI) (CA INDEX NAME)

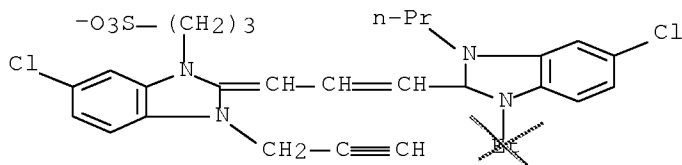


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

IT 233272-86-1  
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses) (spectral sensitizer; photog. emulsion contg. novel benzimidazolocarbo-cyanine dye and providing low-fog images)

RN 233272-86-1 CAPLUS

CN 1H-Benzimidazolium, 5-chloro-2-[3-[5-chloro-1,3-dihydro-1-(2-propynyl)-3-(3-sulfopropyl)-2H-benzimidazol-2-ylidene]-1-propenyl]-1-ethyl-3-propyl-, inner salt (9CI) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L7 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:251383 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 129:21407

TITLE: Silver halide emulsions using novel sensitizing dye

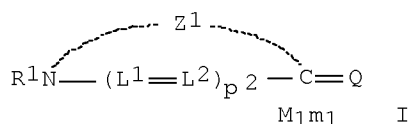
INVENTOR(S): Kobayashi, Masaru; Hioki, Takanori  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.  
 CODEN: JKXXAF

DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10104774	A	19980424	JP 1996-259413	19960930
JP 3476315	B2	20031210		
PRIORITY APPLN. INFO.:			JP 1996-259413	19960930
GI				



AB Title emulsions contain .gtoreq.1 compd. I [R<sub>1</sub> = pyridinium salt-substituted alkyl; Z<sub>1</sub> = atoms required to form a 5- or 6-membered N-contg. heterocycle; L<sub>1</sub>, L<sub>2</sub> = methine; p = 0, 1; M<sub>1</sub> = counter ion; m<sub>1</sub> = 0-10; Q = methine or polymethine required to form a methine dye]. The spectrally sensitized emulsions show high sensitivity and low residual color stain.

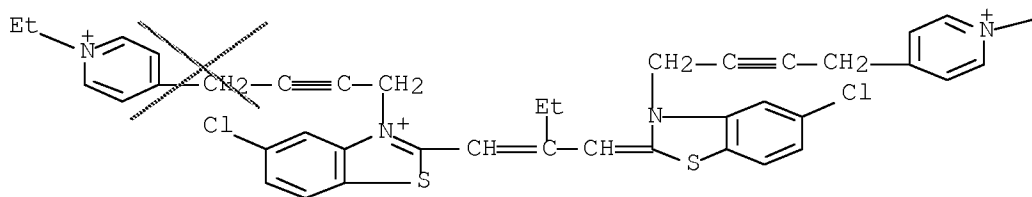
IT 207573-72-6

RL: DEV (Device component use); USES (Uses)  
 (methine sensitizing dye in silver halide photog. emulsions)

RN 207573-72-6 CAPLUS

CN Benzothiazolium, 5-chloro-2-[2-[[5-chloro-3-[4-(1-ethylpyridinium-4-yl)-2-butynyl]-2(3H)-benzothiazolylidene]methyl]-1-butenyl]-3-[4-(1-ethylpyridinium-4-yl)-2-butynyl]-, tribromide (9CI) (CA INDEX NAME)

PAGE 1-A



●3 Br<sup>-</sup>

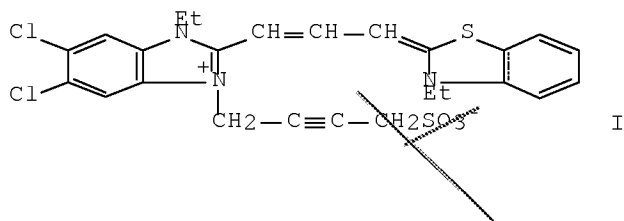
PAGE 1-B

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L7 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1983:225255 CAPLUS Full-text  
 DOCUMENT NUMBER: 98:225255  
 TITLE: Photographic compositions and elements spectrally  
 sensitized with new methine dyes  
 INVENTOR(S): Yamamoto, Yasushi S.  
 PATENT ASSIGNEE(S): Eastman Kodak Co., USA  
 SOURCE: U.S., 8 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4375508	A	19830301	US 1981-311586	19811015
PRIORITY APPLN. INFO.:			US 1981-311586	19811015
OTHER SOURCE(S):	MARPAT 98:225255			

GI



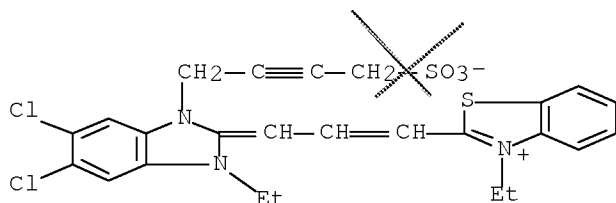
AB Methine dyes for use as photog. spectral sensitizers are described. These dyes prepd. from an intermediate having an acetylenically unsatd. hydrocarbon chain terminated with a nucleophilic group. The acetylenically unsatd. hydrocarbon chain is bonded to a N atom in a heterocyclic ring system of the type used in cyanine dyes. Thus, a photog. support was coated with S-Au sensitized monodispersed gelatin-Ag(Br,I) emulsion (2.5 mol% I) contg. I 8 .times. 10<sup>-4</sup> mol/mol Ag, imagewise exposed, developed in an N-methyl-p-aminophenol/hydroquinone developer, fixed, washed, and dried. The sensitizing max. of the dye I was 600 nm and the sensitizing range 500-630 nm. The speed of the element at 400 nm was 339.

IT 85746-04-9 85746-05-0 85746-06-1

RL: TEM (Technical or engineered material use); USES (Uses)  
 (photog. spectral sensitizer)

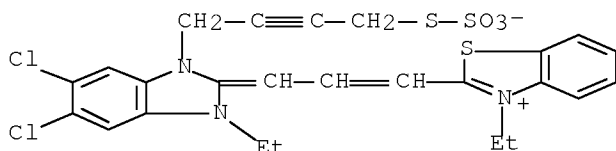
RN 85746-04-9 CAPLUS

CN Benzothiazolium, 2-[3-[5,6-dichloro-1-ethyl-1,3-dihydro-3-(4-sulfo-2-butynyl)-2H-benzimidazol-2-ylidene]-1-propenyl]-3-ethyl-, inner salt (9CI)  
 (CA INDEX NAME)



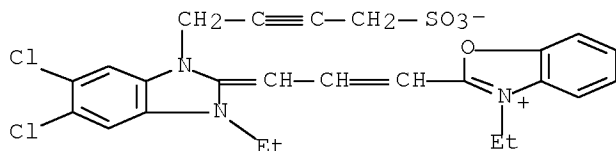
RN 85746-05-0 CAPLUS

CN Benzothiazolium, 2-[3-[5,6-dichloro-1-ethyl-1,3-dihydro-3-[4-(sulfothio)-2-butynyl]-2H-benzimidazol-2-ylidene]-1-propenyl]-3-ethyl-, inner salt (9CI)  
(CA INDEX NAME)



RN 85746-06-1 CAPLUS

CN Benzoxazolium, 2-[3-[5,6-dichloro-1-ethyl-1,3-dihydro-3-(4-sulfo-2-butynyl)-2H-benzimidazol-2-ylidene]-1-propenyl]-3-ethyl-, inner salt (9CI)  
(CA INDEX NAME)



=>

=>

Executing the logoff script...

=> LOG H

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

33.03

379.69

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-4.68

-4.68

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:26:06 ON 02 OCT 2007